

A NEW GENUS OF LEAFHOPPERS FROM NEW GUINEA¹

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In leafhopper material of the subfamily Idiocerinae loaned to the senior author from The American Museum of Natural History a new genus was discovered. This genus is described below along with the only known New Guinea species.

Balocerus New Genus

Type species: Balocerus rozeni new species

Crown short, broad, rounded to front. Ocelli on face above ends of frontal sutures, closer to eyes than to each other. Antennae long, male without disc. Forewing with normal venation, large appendix. Hind femur with but two stout apical setae. Male plates large, paddle-shaped. Male aedeagus without a large apodeme, shaft bifurcate.

This genus is closest to *Idioscopus* on most external characteristics. It differs from *Idioscopus* in that there are but two apical setae on the hind femur, whereas in *Idioscopus* there are two apical setae and one subapical seta. The male genitalia are closer to *Balocha*; however, the aedeagus is not bulbous at the apical end but divided from base of shaft into two parts, a dorsal and ventral section.

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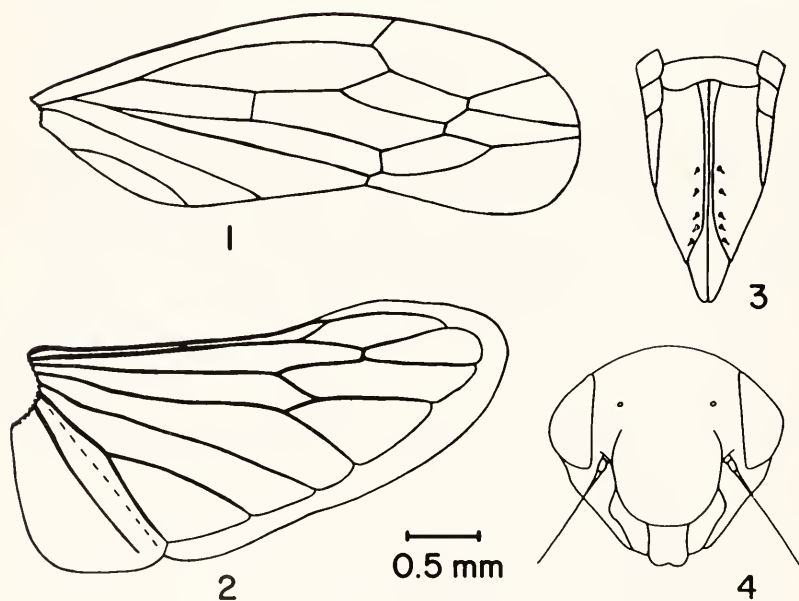
Balocerus rozeni new species

(Figures 1-9)

Length of male 4.0-4.3 mm., and of females 4.0-4.5 mm.

STRUCTURE.—Head wider than pronotum, margin evenly rounded. Forewings flaring along costal margin, with a large appendix.

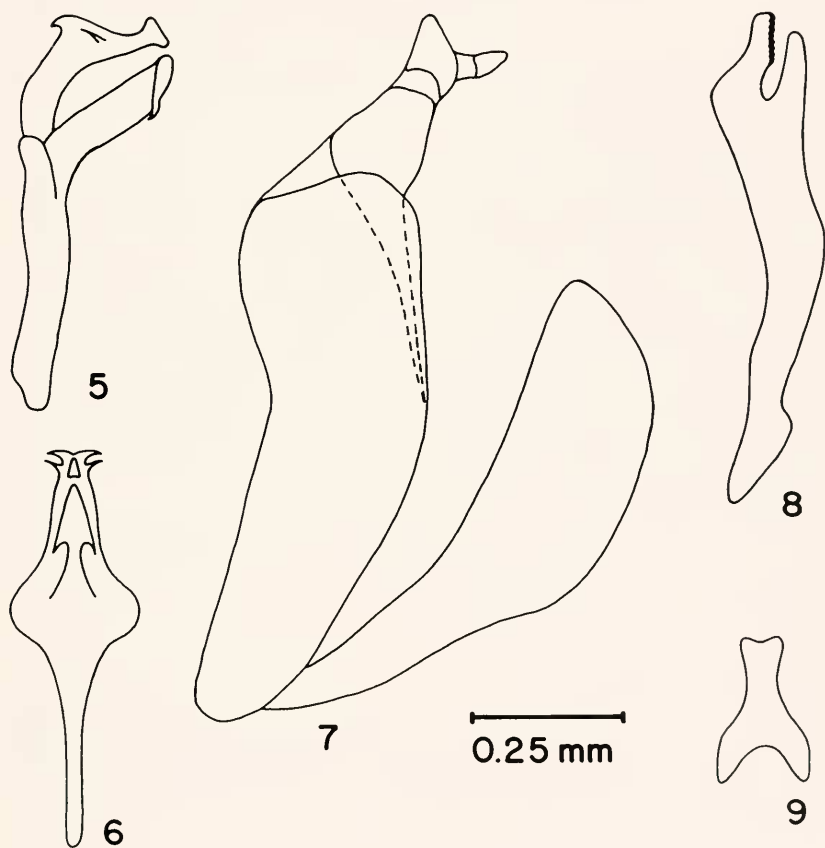
COLORATION.—Highly patterned overall with reddish brown and green. Head mostly yellow-brown with reddish brown mark between ocelli and extending along frontal sutures (in lighter colored specimens this appears as a c-shaped band around each ocellus); gena, lora, and clypeus generally reddish brown to black, male more darkly marked than female; male also with a green band across hind margin between eyes. Pronotum and scutellum mostly reddish brown with green along margins and two green longitudinal median lines on scutellum. Forewings smoky subhyaline with veins generally reddish



FIGS. 1-4. *Balocerus rozeni* new species. Fig. 1, right forewing; Fig. 2, right hindwing; Fig. 3, ventral view of female genitalia; Fig. 4, face view of male head; all drawn to same scale.

brown, costa thickened and mostly green, commisure with whitish spot near median.

MALE GENITALIA.—Plates expanded beyond middle in lateral view, thin in ventral view, apical half fringed with long hair-like setae. Style gradually thicker toward apex which is expanded and bifurcate, dorsal apical arm with a heavy sclerotized tooth-like area on ventral side be-



FIGS. 5-9. *Balocerus rozeni* new species. Fig. 5, lateral view of aedeagus; Fig. 6, ventral view of aedeagus; Fig. 7, lateral view of genital capsule; Fig. 8, lateroventral view of style; Fig. 9, dorsal view of connective, all drawn to same scale.

tween dorsal arm and ventral arm. Connective small, Y-shaped. Aedeagus, in lateral view, with a long narrow base from which two parts of the shaft arise; dorsal part of shaft curved, expanded near apical end, with two short spine-like processes on each side; apical end then narrows greatly but again expands slightly into a blunt tip; ventral part of shaft straight, nearly same width to apex, with apex abruptly expanded, keel-shaped, and lying just below apex of dorsal part of shaft. Aedeagus, in ventral view, with greatly expanded base where shaft arises, lower part of base very narrow and long; shaft with dorsal part wider than ventral part, apical end of dorsal part with the two spine-like processes on each side bent toward each other, tip of apical end button-like, ventral part narrowed in middle, then expanded into a spade-like apex.

FEMALE GENITALIA.—Ovipositor extending beyond pygofer its own width. Pygofer narrow, long, with several short stout setae along margin near ovipositor. Posterior margin of 7th sternum broadly rounded with a large shallow median emargination.

TYPES.—Holotype male, Mt. Riu, Sudest Isl., 250-350., No. 10, Papua, New Guinea, 8-27-1956, Fifth Archbold Expd. to New Guinea, L. J. Brass. Allotype female, same data as holotype. Paratypes, 1 male, 9 females, same locality as holotype but most collected 9-3-1956 or 9-5-1956. Holotype, allotype, and 6 paratypes in The American Museum of Natural History Collection; 4 paratypes in The University of Kentucky Collection.

NOTES.—This species is named for Dr. Jerome G. Rozen, Jr., Department of Entomology, American Museum of Natural History, New York City.

2.0138 A new genus of Leafhoppers from New Guinea.

ABSTRACT.—A new genus and species, *Balocerus rozeni*, from Papua, New Guinea, is described and illustrated. This genus is compared with the other known genera of Idiocerinae from New Guinea.—PAUL H. FREYTAG and WILLIAM P. MORRISON, Department of Entomology, University of Kentucky, Lexington, KY 40506.

Descriptors: Homoptera; Cicadellidae; Idiocerinae; *Balocerus rozeni*, new genus and species from New Guinea.